

## Onshore Oil and Gas Facility<sup>1</sup> Crosswalk

ARB collects emissions data from facilities under different reporting programs, each developed to meet specific needs, and each with its own set of requirements and reporting mechanisms. Criteria pollutants are reported through the local air districts and the data are stored in the California Emissions Inventory Development and Reporting System (CEIDARS). As required by the Regulation for the Mandatory Reporting of Greenhouse Gas Emissions (MRR), greenhouse gas (GHG) data for large emitters are reported directly to ARB by facility operators. The GHG data are entered and submitted via the California Electronic Greenhouse Gas Reporting Tool (Cal e-GGRT).

In most cases, facilities in CEIDARS and Cal e-GGRT have a one-to-one relationship (i.e., a facility in CEIDARS corresponds exactly to one facility in CAL e-GGRT). However, this is not the case for onshore oil and natural gas production (oil & gas) facilities, because the definition of what constitutes a facility differs between CEIDARS and MRR.

In CEIDARS, an oil & gas facility is defined as discrete, contiguous operation often described by a lease name or a collection of Township/Range/Sections that can be tracked down to the square mile. On the other hand, under MRR an onshore oil & gas facility is defined to include all of a company's aggregated operations within a geologic basin, which may encompass multiple counties and operations. Because of this difference, most onshore oil & gas production facilities do not have a one-to-one relationship between CEIDARS and MRR data.

ARB has developed a preliminary crosswalk to identify and associate CEIDARS oil & gas facilities to their respective MRR facilities. Staff focused their efforts on ensuring all of the highest emitting facilities are accounted for, which captured over 90 percent of the criteria pollutant emissions from these facilities. However, there is some uncertainty due to the inherent differences in how facilities are reported in Cal e-GGRT compared to CEIDARS. In addition, frequent mergers and acquisitions over the years present another layer of complexity.

### Methodology

When feasible, the method used to map oil & gas facilities in CEIDARS to the geologic basin-level MRR facilities was matching them by name. Many of the oil & gas facilities in CEIDARS are named after the operating company that owns the facility and can be matched with the name of the MRR facility. In addition, the history of acquisitions, mergers, spin-offs, etc., between companies was taken into account when using this method. A large number of CEIDARS facilities could not be matched to MRR oil & gas facilities by this method, so staff relied on a geographical information system (GIS) analysis of the following data inputs:

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<sup>1</sup> An 'oil and gas facility' is a facility that extracts oil or gas from the ground. The emissions associated with these facilities include drilling, pumping and processing crude oil or natural gas. These types of facilities do not include refineries; in general, refineries take crude oil and refine it to make fuels.

- Names of the MRR oil & gas production facilities and associated sub-facilities
- Coordinates for each MRR oil & gas facility
- CEIDARS comprehensive facility database table
- Division of Oil, Gas, and Geothermal Resources (DOGGR) Oil/Gas fields map layer
- DOGGR's Oil/Gas well database
- Public Land Survey System (PLSS) Township/Range/Section map layer

All of the data inputs were imported into mapping software to be viewed together within a common spatial context. The map incorporated all CEIDARS facilities, MRR facilities, oil fields, and individual wells. All CEIDARS facilities in each major geologic basin were examined for any evidence of relationship with an existing MRR facility within the basin. All relational information was considered, ranging from similar addresses and PLSS coordinates, to individual well lease names linked to the operator name.

In order to ensure that the majority of the criteria emissions were included, CEIDARS was queried to identify all emissions from oil & gas related operations. Staff confirmed that all top emitting facilities were accounted for -- either they were mapped to an existing MRR facility, or they were verified to not belong to a MRR reporting facility (e.g., a lease that belongs to an identifiable corporation which does not have a MRR facility for that basin).

### **Next Steps**

ARB staff welcomes suggestions and comments to improve the oil and gas crosswalk between CEIDAR and MRR facilities. Please send your comments to [ievt@arb.ca.gov](mailto:ievt@arb.ca.gov).

### **Crosswalk Details**

The crosswalk of the CEIDARS and MRR onshore oil and gas production facilities is available in the attached Appendix.

**Appendix: Onshore Oil and Gas Production Facility Crosswalk**

Crosswalk for CEIDARS\* facilities that belong to a MRR\*\* oil and gas onshore basin-level facility

Last Updated 12/30/2016

ARB ID	MRR Facility Name	CEIDARS ID	CEIDARS Facility Name	County	Air Basin	District
100904	Linn Operating Inc	151394	LINN OPERATING INC	Orange	South Coast	South Coast AQMD
		151532	LINN OPERATING, INC	Orange	South Coast	South Coast AQMD
		151415	LINN WESTERN OPERATING, INC	Orange	South Coast	South Coast AQMD
100994	Thums Long Beach Company	800330	THUMS LONG BEACH	Los Angeles	South Coast	South Coast AQMD
		129497	THUMS LONG BEACH CO	Los Angeles	South Coast	South Coast AQMD
101187	California Resources Elk Hills, LLC - San Joaquin Valley Basin	382	CALIFORNIA RESOURCES ELK HILLS, LLC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		7527	CALIFORNIA RESOURCES ELK HILLS, LLC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1216	CALIFORNIA RESOURCES ELK HILLS, LLC	Kern	San Joaquin Valley	San Joaquin Valley APCD
101460	TRC Cypress Group, LLC	2622	TRC OPERATING COMPANY INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		3088	TRC CYPRESS GROUP LLC	Kern	San Joaquin Valley	San Joaquin Valley APCD
101674	Pacific Coast Energy LP	3313	CONTINENTAL LEASE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3314	DOMESTIC LEASE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3316	FOLSOM LEASE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3318	GRACIOSA LEASE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3319	HARTNELL LEASE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3320	HOBBS LEASE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3321	NEWLOVE LEASE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3322	PINAL LEASE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3323	RICE RANCH LEASE (ORCUTT HILL)	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3324	SQUIRES LEASE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3495	GETTY HOBBS LEASE (ORCUTT HILL)	Santa Barbara	South Central Coast	Santa Barbara County APCD
		4104	ORCUTT HILL COMPRESSOR PLANT	Santa Barbara	South Central Coast	Santa Barbara County APCD
		4214	ORCUTT HILL IC ENGINES	Santa Barbara	South Central Coast	Santa Barbara County APCD
		10482	ORCUTT HILL - STEAM GENERATORS	Santa Barbara	South Central Coast	Santa Barbara County APCD
104011	Chevron AAPG 740 Coastal Basin	272	CHEVRON U.S.A.	Monterey	North Central Coast	Monterey Bay Unified APCD
104012	Chevron AAPG 745 San Joaquin Basin	40032	CHEVRON - COALINGA/KETTLEMAN	Fresno	San Joaquin Valley	San Joaquin Valley APCD
		311	CHEVRON USA INC	Fresno	San Joaquin Valley	San Joaquin Valley APCD
		2872	CHEVRON USA, INC	Fresno	San Joaquin Valley	San Joaquin Valley APCD
		2885	CHEVRON USA, INC.	Fresno	San Joaquin Valley	San Joaquin Valley APCD
		1128	CHEVRON USA INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		3926	CHEVRON USA INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		7295	CHEVRON USA INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		2149	CHEVRON USA INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		49	CHEVRON USA INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		8084	CHEVRON USA	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1131	CHEVRON USA INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1127	CHEVRON USA INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		3317	CHEVRON U S A INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		50299	CHEVRON U.S.A. PRODUCTION CO.	Kern	San Joaquin Valley	San Joaquin Valley APCD
		443	CHEVRON USA - GREELEY GAS PLT	Kern	San Joaquin Valley	San Joaquin Valley APCD
		8148	CHEVRON USA INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		50303	CHEVRON U.S.A. PRODUCTION CO.	Kern	San Joaquin Valley	San Joaquin Valley APCD
		2010	CHEVRON USA INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		2152	CHEVRON USA INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		55	CHEVRON USA INC LOST HILLS GP	Kern	San Joaquin Valley	San Joaquin Valley APCD
		50046	CHEVRON USA LOST HILLS GAS PL	Kern	San Joaquin Valley	San Joaquin Valley APCD
		175	CHEVRON	San Luis Obispo	South Central Coast	San Luis Obispo County APCD
		50048	CHEVRON USA 1C NAT GAS PLANTNO	Kern	San Joaquin Valley	San Joaquin Valley APCD

ARB ID	MRR Facility Name	CEIDARS ID	CEIDARS Facility Name	County	Air Basin	District
		1423	CHEVRON USA INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1141	CHEVRON USA INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1129	CHEVRON USA INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
104016	Aera Energy San Joaquin Basin	1547	AERA ENERGY LLC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		3798	AERA ENERGY	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1699	AERA ENERGY LLC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		3865	AERA ENERGY LLC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1548	AERA ENERGY LLC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1121	AERA ENERGY LLC	Fresno	San Joaquin Valley	San Joaquin Valley APCD
		1135	AERA ENERGY LLC	Kern	San Joaquin Valley	San Joaquin Valley APCD
104017	Aera Energy Ventura Gas Plant	41	AERA ENERGY LLC	Ventura	South Central Coast	Ventura County APCD
104018	Aera Energy Coastal Basins	23	AERA ENERGY LLC	Monterey	North Central Coast	Monterey Bay Unified APCD
104029	California Resources Production Corporation - Sacramento Valley Basin 730	21802	CALIFORNIA RESOURCES PRODUCTION CORP	Solano	San Francisco Bay Area	Bay Area AQMD
		11865	CALIFORNIA RESOURCES PRODUCTION CORP	Contra Costa	San Francisco Bay Area	Bay Area AQMD
		21796	CALIFORNIA RESOURCES PRODUCTION CORP	Contra Costa	San Francisco Bay Area	Bay Area AQMD
		21799	CALIFORNIA RESOURCES PRODUCTION CORP	Contra Costa	San Francisco Bay Area	Bay Area AQMD
		219	CALIFORNIA RESOURCES PRODUCTION CORP.	Colusa	Sacramento Valley	Colusa County APCD
		370	CALIFORNIA RESOURCES PRODUCTION CORP	San Joaquin	San Joaquin Valley	San Joaquin Valley APCD
		21800	CALIFORNIA RESOURCES PRODUCTION CORP	Contra Costa	San Francisco Bay Area	Bay Area AQMD
		2429	CALIFORNIA RESOURCES PRODUCTION CORP	San Joaquin	San Joaquin Valley	San Joaquin Valley APCD
		114	CALIFORNIA RESOURCES PRODUCTION CORP.	Colusa	Sacramento Valley	Colusa County APCD
		21961	CALIFORNIA RESOURCES PRODUCTION CORP	Solano	San Francisco Bay Area	Bay Area AQMD
		21962	CALIFORNIA RESOURCES PRODUCTION CORP	Solano	San Francisco Bay Area	Bay Area AQMD
		2009	VINTAGE PETRO, INC	Sutter	Sacramento Valley	Feather River AQMD
		2055	VINTAGE PETRO, INC	Sutter	Sacramento Valley	Feather River AQMD
		2054	VINTAGE PETRO, INC 2054	Sutter	Sacramento Valley	Feather River AQMD
		154	VINTAGE PETROLEUM	Tehama	Sacramento Valley	Tehama County APCD
		109	VINTAGE PETROLEUM (MALTON 6-1)	Tehama	Sacramento Valley	Tehama County APCD
		104	VINTAGE PETROLEUM (SAGE)	Tehama	Sacramento Valley	Tehama County APCD
		105	VINTAGE PETROLEUM (T-G 28-1)	Tehama	Sacramento Valley	Tehama County APCD
		107	VINTAGE PETROLEUM (TOLLE 27-1)	Tehama	Sacramento Valley	Tehama County APCD
		3271	VINTAGE PETROLEUM, INC.	San Joaquin	San Joaquin Valley	San Joaquin Valley APCD
		490	VINTAGE PROD (20-10,11,12, 13)	Glenn	Sacramento Valley	Glenn County APCD
		1192	VINTAGE PROD (20-14)	Glenn	Sacramento Valley	Glenn County APCD
		1155	VINTAGE PROD (20-15, 29-17)	Glenn	Sacramento Valley	Glenn County APCD
		422	VINTAGE PROD (20-2, 20-18)	Glenn	Sacramento Valley	Glenn County APCD
		1181	VINTAGE PROD (20-23)	Glenn	Sacramento Valley	Glenn County APCD
		420	VINTAGE PROD (20-3)	Glenn	Sacramento Valley	Glenn County APCD
		421	VINTAGE PROD (20-5)	Glenn	Sacramento Valley	Glenn County APCD
		466	VINTAGE PROD (20-7, 37-5, 37-6)	Glenn	Sacramento Valley	Glenn County APCD
		401	VINTAGE PROD (22-1)	Glenn	Sacramento Valley	Glenn County APCD
		1183	VINTAGE PROD (29-4)	Glenn	Sacramento Valley	Glenn County APCD
		1177	VINTAGE PROD (29-5)	Glenn	Sacramento Valley	Glenn County APCD
		1174	VINTAGE PROD (29-7)	Glenn	Sacramento Valley	Glenn County APCD
		531	VINTAGE PROD (30-2, 30-3, 30-4)	Glenn	Sacramento Valley	Glenn County APCD
		492	VINTAGE PROD (37-4)	Glenn	Sacramento Valley	Glenn County APCD
		1178	VINTAGE PROD (37-9)	Glenn	Sacramento Valley	Glenn County APCD
		124	VINTAGE PROD (45-1MM)	Glenn	Sacramento Valley	Glenn County APCD
		60	VINTAGE PROD (45-4)	Glenn	Sacramento Valley	Glenn County APCD
		532	VINTAGE PROD (48-8, 13)	Glenn	Sacramento Valley	Glenn County APCD
		424	VINTAGE PROD (49/60SL, 60-1A)	Glenn	Sacramento Valley	Glenn County APCD
		1064	VINTAGE PROD (49-1)	Glenn	Sacramento Valley	Glenn County APCD

ARB ID	MRR Facility Name	CEIDARS ID	CEIDARS Facility Name	County	Air Basin	District
		1014	VINTAGE PROD (49-13)	Glenn	Sacramento Valley	Glenn County APCD
		1065	VINTAGE PROD (49-14, 12)	Glenn	Sacramento Valley	Glenn County APCD
		1024	VINTAGE PROD (49-16, 25, 26)	Glenn	Sacramento Valley	Glenn County APCD
		1193	VINTAGE PROD (49-18, 28)	Glenn	Sacramento Valley	Glenn County APCD
		1057	VINTAGE PROD (49-21)	Glenn	Sacramento Valley	Glenn County APCD
		1137	VINTAGE PROD (49-22, 24, 60LW2)	Glenn	Sacramento Valley	Glenn County APCD
		423	VINTAGE PROD (49-2A)	Glenn	Sacramento Valley	Glenn County APCD
		463	VINTAGE PROD (49-6, 30)	Glenn	Sacramento Valley	Glenn County APCD
		425	VINTAGE PROD (49-60 LW1)	Glenn	Sacramento Valley	Glenn County APCD
		467	VINTAGE PROD (49-7)	Glenn	Sacramento Valley	Glenn County APCD
		1051	VINTAGE PROD (49-8)	Glenn	Sacramento Valley	Glenn County APCD
		495	VINTAGE PROD (49-9, 10, 11)	Glenn	Sacramento Valley	Glenn County APCD
		488	VINTAGE PROD (49-SL-LW-1/49-SL-DLW-1)	Glenn	Sacramento Valley	Glenn County APCD
		1154	VINTAGE PROD (51-6)	Glenn	Sacramento Valley	Glenn County APCD
		113	VINTAGE PROD (52-2)	Glenn	Sacramento Valley	Glenn County APCD
		426	VINTAGE PROD (58-1)	Glenn	Sacramento Valley	Glenn County APCD
		491	VINTAGE PROD (58-10,11,12, 14)	Glenn	Sacramento Valley	Glenn County APCD
		1063	VINTAGE PROD (58-13, 15, 20)	Glenn	Sacramento Valley	Glenn County APCD
		1158	VINTAGE PROD (58-2, 19, 16)	Glenn	Sacramento Valley	Glenn County APCD
		417	VINTAGE PROD (60 MJ-LW-1, 2)	Glenn	Sacramento Valley	Glenn County APCD
		428	VINTAGE PROD (60-1,60-18,60-21)	Glenn	Sacramento Valley	Glenn County APCD
		442	VINTAGE PROD (60-12, 15, 23, 30)	Glenn	Sacramento Valley	Glenn County APCD
		1070	VINTAGE PROD (60-2 MM)	Glenn	Sacramento Valley	Glenn County APCD
		1176	VINTAGE PROD (60-25, 26)	Glenn	Sacramento Valley	Glenn County APCD
		427	VINTAGE PROD (60-6, 19, 20, 24)	Glenn	Sacramento Valley	Glenn County APCD
		1114	VINTAGE PROD (70-10)	Glenn	Sacramento Valley	Glenn County APCD
		1109	VINTAGE PROD (70-11, 70-16)	Glenn	Sacramento Valley	Glenn County APCD
		1139	VINTAGE PROD (70-3)	Glenn	Sacramento Valley	Glenn County APCD
		1182	VINTAGE PROD (70-4, 21)	Glenn	Sacramento Valley	Glenn County APCD
		429	VINTAGE PROD (70-5)	Glenn	Sacramento Valley	Glenn County APCD
		1054	VINTAGE PROD (70-8)	Glenn	Sacramento Valley	Glenn County APCD
		430	VINTAGE PROD (70-81 W-M)	Glenn	Sacramento Valley	Glenn County APCD
		1056	VINTAGE PROD (70-9)	Glenn	Sacramento Valley	Glenn County APCD
		431	VINTAGE PROD (71-1, 71-3)	Glenn	Sacramento Valley	Glenn County APCD
		1108	VINTAGE PROD (71-2)	Glenn	Sacramento Valley	Glenn County APCD
		1168	VINTAGE PROD (81-10, 11, 12)	Glenn	Sacramento Valley	Glenn County APCD
		432	VINTAGE PROD (81-6)	Glenn	Sacramento Valley	Glenn County APCD
		1037	VINTAGE PROD (81-9)	Glenn	Sacramento Valley	Glenn County APCD
		1072	VINTAGE PROD (CHOPIN 1)	Glenn	Sacramento Valley	Glenn County APCD
		1085	VINTAGE PROD (CHOPIN MM)	Glenn	Sacramento Valley	Glenn County APCD
		494	VINTAGE PROD (DOHENY NOBLE 14)	Glenn	Sacramento Valley	Glenn County APCD
		1146	VINTAGE PROD (EASTBY 1-1)	Glenn	Sacramento Valley	Glenn County APCD
		1091	VINTAGE PROD (FERREIRA 3)	Glenn	Sacramento Valley	Glenn County APCD
		515	VINTAGE PROD (HARRIS 60-1, 60-2)	Glenn	Sacramento Valley	Glenn County APCD
		433	VINTAGE PROD (HE 2)	Glenn	Sacramento Valley	Glenn County APCD
		506	VINTAGE PROD (HE 9-2 MM)	Glenn	Sacramento Valley	Glenn County APCD
		402	VINTAGE PROD (HE9-2)	Glenn	Sacramento Valley	Glenn County APCD
		445	VINTAGE PROD (HILL-ELVIDGE 1A)	Glenn	Sacramento Valley	Glenn County APCD
		1007	VINTAGE PROD (JM 34-1)	Glenn	Sacramento Valley	Glenn County APCD
		434	VINTAGE PROD (KNIGHT 2)	Glenn	Sacramento Valley	Glenn County APCD
		1047	VINTAGE PROD (KNIGHT 4, 6)	Glenn	Sacramento Valley	Glenn County APCD
		1092	VINTAGE PROD (KNIGHT 5)	Glenn	Sacramento Valley	Glenn County APCD
		1169	VINTAGE PROD (KNIGHT 7)	Glenn	Sacramento Valley	Glenn County APCD

ARB ID	MRR Facility Name	CEIDARS ID	CEIDARS Facility Name	County	Air Basin	District
		1189	VINTAGE PROD (MALTON 14-1)	Glenn	Sacramento Valley	Glenn County APCD
		1179	VINTAGE PROD (MARIN MASON 1-36)	Glenn	Sacramento Valley	Glenn County APCD
		1011	VINTAGE PROD (MARIN MASON 4-36)	Glenn	Sacramento Valley	Glenn County APCD
		1140	VINTAGE PROD (MARIN MASON2-25A/B)	Glenn	Sacramento Valley	Glenn County APCD
		523	VINTAGE PROD (MCGOWAN 1-36)	Glenn	Sacramento Valley	Glenn County APCD
		526	VINTAGE PROD (MCGOWAN MM)	Glenn	Sacramento Valley	Glenn County APCD
		436	VINTAGE PROD (MICHAEL-WHYLER)	Glenn	Sacramento Valley	Glenn County APCD
		1015	VINTAGE PROD (MJ 13, 24)	Glenn	Sacramento Valley	Glenn County APCD
		1032	VINTAGE PROD (MJ SL LW 1)	Glenn	Sacramento Valley	Glenn County APCD
		1022	VINTAGE PROD (MJ SL LW 3, 4)	Glenn	Sacramento Valley	Glenn County APCD
		1163	VINTAGE PROD (MJ-11)	Glenn	Sacramento Valley	Glenn County APCD
		1111	VINTAGE PROD (MJ-12)	Glenn	Sacramento Valley	Glenn County APCD
		1115	VINTAGE PROD (MJ-15)	Glenn	Sacramento Valley	Glenn County APCD
		1142	VINTAGE PROD (MJ-16, 25)	Glenn	Sacramento Valley	Glenn County APCD
		1103	VINTAGE PROD (MJ-22, 23)	Glenn	Sacramento Valley	Glenn County APCD
		1159	VINTAGE PROD (MJ-27)	Glenn	Sacramento Valley	Glenn County APCD
		438	VINTAGE PROD (MJ-3)	Glenn	Sacramento Valley	Glenn County APCD
		530	VINTAGE PROD (MJ-8 & 10)	Glenn	Sacramento Valley	Glenn County APCD
		465	VINTAGE PROD (MJ-9, 14, 17)	Glenn	Sacramento Valley	Glenn County APCD
		419	VINTAGE PROD (MJ-SL-LW2)	Glenn	Sacramento Valley	Glenn County APCD
		521	VINTAGE PROD (NYBERG 3-1)	Glenn	Sacramento Valley	Glenn County APCD
		527	VINTAGE PROD (NYBERG 5-1)	Glenn	Sacramento Valley	Glenn County APCD
		1020	VINTAGE PROD (OGLESBY 61-3/MM)	Glenn	Sacramento Valley	Glenn County APCD
		520	VINTAGE PROD (ORION FERREIRA 1)	Glenn	Sacramento Valley	Glenn County APCD
		231	VINTAGE PROD (PINHEIRO 1/2-10)	Glenn	Sacramento Valley	Glenn County APCD
		1127	VINTAGE PROD (PINHEIRO 3-10)	Glenn	Sacramento Valley	Glenn County APCD
		1087	VINTAGE PROD (PINHIERO MM)	Glenn	Sacramento Valley	Glenn County APCD
		1149	VINTAGE PROD (SIMPSON KNIGHT2-3,3-3)	Glenn	Sacramento Valley	Glenn County APCD
		1180	VINTAGE PROD (SL-16)	Glenn	Sacramento Valley	Glenn County APCD
		1190	VINTAGE PROD (SL-2, 2A)	Glenn	Sacramento Valley	Glenn County APCD
		418	VINTAGE PROD (SL-5)	Glenn	Sacramento Valley	Glenn County APCD
		1053	VINTAGE PROD (SL-6 & SL-9)	Glenn	Sacramento Valley	Glenn County APCD
		533	VINTAGE PROD (SPRAGUE LEWIS 7 & 8)	Glenn	Sacramento Valley	Glenn County APCD
		1118	VINTAGE PROD (TORRES 12-2)	Glenn	Sacramento Valley	Glenn County APCD
		1029	VINTAGE PROD (TRANSAMERICA 72-1MM)	Glenn	Sacramento Valley	Glenn County APCD
		59	VINTAGE PROD (TRANSAMERICA 72-2)	Glenn	Sacramento Valley	Glenn County APCD
		524	VINTAGE PROD (TREVLAAC 2-36)	Glenn	Sacramento Valley	Glenn County APCD
		1095	VINTAGE PROD (WELLER TREVLAAC 1)	Glenn	Sacramento Valley	Glenn County APCD
		400	VINTAGE PROD (WHYLER 18-1)	Glenn	Sacramento Valley	Glenn County APCD
		510	VINTAGE PROD (WHYLER 18-1MM)	Glenn	Sacramento Valley	Glenn County APCD
		1188	VINTAGE PROD (WYLER TRUST 69-1)	Glenn	Sacramento Valley	Glenn County APCD
		7281	VINTAGE PRODUCTION CALIFORNIA LLC	San Joaquin	San Joaquin Valley	San Joaquin Valley APCD
		5303	VINTAGE PRODUCTION CALIFORNIA LLC	Solano	Sacramento Valley	Yolo/Solano AQMD
		5208	VINTAGE PRODUCTION CALIFORNIA LLC	Solano	Sacramento Valley	Yolo/Solano AQMD
		5457	VINTAGE PRODUCTION CALIFORNIA LLC	Solano	Sacramento Valley	Yolo/Solano AQMD
		5423	VINTAGE PRODUCTION CALIFORNIA LLC	Solano	Sacramento Valley	Yolo/Solano AQMD
		5458	VINTAGE PRODUCTION CALIFORNIA LLC	Solano	Sacramento Valley	Yolo/Solano AQMD
		5362	VINTAGE PRODUCTION CALIFORNIA LLC	Solano	Sacramento Valley	Yolo/Solano AQMD
		90349	VINTAGE PRODUCTION CALIFORNIA LLC	Solano	Sacramento Valley	Yolo/Solano AQMD
		2052	VINTAGE PRODUCTION CALIFORNIA LLC	Sutter	Sacramento Valley	Feather River AQMD
		1425	VINTAGE PRODUCTION CALIFORNIA LLC	Yolo	Sacramento Valley	Yolo/Solano AQMD
		4716	VINTAGE PRODUCTION CALIFORNIA LLC.	Sacramento	Sacramento Valley	Sacramento Metropolitan AQMD
		4720	VINTAGE PRODUCTION CALIFORNIA LLC.	Sacramento	Sacramento Valley	Sacramento Metropolitan AQMD

ARB ID	MRR Facility Name	CEIDARS ID	CEIDARS Facility Name	County	Air Basin	District
104030	California Resources Production Corporation - San Joaquin Valley Basin 745	8282	CALIFORNIA RESOURCES PRODUCTION CORP	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1326	CALIFORNIA RESOURCES PRODUCTION CORP	Kern	San Joaquin Valley	San Joaquin Valley APCD
		276	CALIFORNIA RESOURCES PRODUCTION CORP.	Fresno	San Joaquin Valley	San Joaquin Valley APCD
		273	CALIFORNIA RESOURCES PRODUCTION CORP.	Kings	San Joaquin Valley	San Joaquin Valley APCD
		1738	CALIFORNIA RESOURCES PRODUCTION CORP.	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1327	CALIFORNIA RESOURCES PRODUCTION CORP	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1737	CALIFORNIA RESOURCES PRODUCTION CORP.	Kern	San Joaquin Valley	San Joaquin Valley APCD
		8452	CALIFORNIA RESOURCES PRODUCTION CORP	Kern	San Joaquin Valley	San Joaquin Valley APCD
		8454	CALIFORNIA RESOURCES PRODUCTION CORP	Kern	San Joaquin Valley	San Joaquin Valley APCD
		8453	CALIFORNIA RESOURCES PRODUCTION CORP.	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1371	VINTAGE PRODUCTION CALIFORNIA LLC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		2329	VINTAGE PRODUCTION CALIFORNIA, LLC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		50182	OXY USA INC.	Kern	San Joaquin Valley	San Joaquin Valley APCD
		3906	OXY USA, INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
50183	OXY USA, INC.	Kern	San Joaquin Valley	San Joaquin Valley APCD		
104031	California Resources Production Corporation - Ventura Basin 755	48	CALIFORNIA RESOURCES PRODUCTION CORPORATION	Ventura	South Central Coast	Ventura County APCD
		396	CALIFORNIA RESOURCES PRODUCTION CORPORATION	Ventura	South Central Coast	Ventura County APCD
		330	CALIFORNIA RESOURCES PRODUCTION CORPORATION	Ventura	South Central Coast	Ventura County APCD
		77	CALIFORNIA RESOURCES PRODUCTION CORPORATION	Ventura	South Central Coast	Ventura County APCD
		42	CALIFORNIA RESOURCES PRODUCTION CORPORATION	Ventura	South Central Coast	Ventura County APCD
		8	CALIFORNIA RESOURCES PRODUCTION CORPORATION	Ventura	South Central Coast	Ventura County APCD
		984	CALIFORNIA RESOURCES PRODUCTION CORPORATION	Ventura	South Central Coast	Ventura County APCD
		58	CALIFORNIA RESOURCES PRODUCTION CORPORATION	Ventura	South Central Coast	Ventura County APCD
		54	CALIFORNIA RESOURCES PRODUCTION CORPORATION	Ventura	South Central Coast	Ventura County APCD
		939	CALIFORNIA RESOURCES PRODUCTION CORPORATION	Ventura	South Central Coast	Ventura County APCD
		4	CALIFORNIA RESOURCES PRODUCTION CORPORATION	Ventura	South Central Coast	Ventura County APCD
53	CALIFORNIA RESOURCES PRODUCTION CR, S. MOUTAIN & W. MOUNTAIN	Ventura	South Central Coast	Ventura County APCD		
104072	Tidelands Oil Production Company - 760 Los Angeles Basin	169754	OXY USA INC	Orange	South Coast	South Coast AQMD
		151594	OXY USA, INC	Orange	South Coast	South Coast AQMD
		151602	OXY USA, INC.	Los Angeles	South Coast	South Coast AQMD
		151601	OXY USA, INC.	Orange	South Coast	South Coast AQMD
		800325	TIDELANDS OIL PRODUCTION CO	Los Angeles	South Coast	South Coast AQMD
		136965	TIDELANDS OIL PRODUCTION COMPANY	Los Angeles	South Coast	South Coast AQMD
		68112	TIDELANDS OIL PRODUCTION COMPANY, ETAL	Los Angeles	South Coast	South Coast AQMD
104075	BreitBurn Operating LP - Los Angeles Basin Facility	150400	BREITBURN OPERATING L.P.	Orange	South Coast	South Coast AQMD
		172870	BREITBURN OPERATING, LP	Orange	South Coast	South Coast AQMD
		150214	BREITBURN OPERATING L.P.	Los Angeles	South Coast	South Coast AQMD
		150203	BREITBURN OPERATING L.P.	Los Angeles	South Coast	South Coast AQMD
		150209	BREITBURN OPERATING L.P.	Los Angeles	South Coast	South Coast AQMD
		150201	BREITBURN OPERATING LP	Los Angeles	South Coast	South Coast AQMD
		174544	BREITBURN OPERATING LP	Los Angeles	South Coast	South Coast AQMD
		88359	ALAMITOS COMPANY	Orange	South Coast	South Coast AQMD
		150235	BREITBURN OPERATING L.P.	Orange	South Coast	South Coast AQMD
104081	Freeport-McMoran Oil & Gas LLC - SJV Basin Facility	1372	FREEMPORT-MC MORAN OIL & GAS	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1641	FREEMPORT-MC MORAN OIL & GAS	Kern	San Joaquin Valley	San Joaquin Valley APCD
		3507	FREEMPORT-MCMORAN OIL & GAS LLC	Kern	San Joaquin Valley	San Joaquin Valley APCD
104090	Signal Hill Petroleum Facilities	149297	SIGNAL HILL PETROLEUM, INC.	Los Angeles	South Coast	South Coast AQMD
		45086	SIGNAL HILL PETROLEUM INC	Los Angeles	South Coast	South Coast AQMD
104091	Seneca San Joaquin Production Facilities	1114	SENECA RESOURCES	Kern	San Joaquin Valley	San Joaquin Valley APCD

ARB ID	MRR Facility Name	CEIDARS ID	CEIDARS Facility Name	County	Air Basin	District
		1630	SENECA RESOURCES	Kern	San Joaquin Valley	San Joaquin Valley APCD
		3755	SENECA RESOURCES	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1242	SENECA RESOURCES	Kern	San Joaquin Valley	San Joaquin Valley APCD
104094	Berry Petroleum Company - San Joaquin Basin	2265	LINN OPERATING, INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1246	LINN OPERATING, INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		3585	LINN OPERATING, INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
104215	E&B Natural Resources - San Joaquin Valley	1624	E&B NATURAL RESOURCES MGMT	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1807	E&B NATURAL RESOURCES MGMT COR	Kern	San Joaquin Valley	San Joaquin Valley APCD
		2058	E & B NATURAL RESOURCES	Kern	San Joaquin Valley	San Joaquin Valley APCD
		4034	E&B NATURAL RESOURCES	Kern	San Joaquin Valley	San Joaquin Valley APCD
		8916	E & B IC ENGINES	Santa Barbara	South Central Coast	Santa Barbara County APCD
		2680	E&B NATURAL RESOURCES	Kern	San Joaquin Valley	San Joaquin Valley APCD
		3202	GAS PLANT 10	Santa Barbara	South Central Coast	Santa Barbara County APCD
		1074	SOUTH CUYAMA UNIT (SCU)	Santa Barbara	South Central Coast	Santa Barbara County APCD
104426	Holmes Western Oil Corporation	2658	HOLMES WESTERN OIL CORPORATION	Fresno	San Joaquin Valley	San Joaquin Valley APCD
		4242	HOLMES WESTERN OIL CORPORATION	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1626	HOLMES WESTERN OIL CORPORATION	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1627	HOLMES WESTERN OIL CORPORATION	Kern	San Joaquin Valley	San Joaquin Valley APCD
		1683	HOLMES WESTERN OIL CORPORATION	Kings	San Joaquin Valley	San Joaquin Valley APCD
104458	ERG Operating Company, LLC. 750 Santa Maria Basin	3005	LOS ALAMOS FEE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3007	GWP FEE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3009	WILLIAMS HOLDING LEASE (ERG)	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3010	RECRUIT FEE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3028	CANTIN LEASE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3043	PORTER LEASE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3229	FLEISHER LEASE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3512	WILLIAMS HOLDING LEASE (ERG)	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3521	FUGLER 80 LEASE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		3605	WILLIAMS B* LEASE"	Santa Barbara	South Central Coast	Santa Barbara County APCD
		4011	WILLIAMS HOLDING LEASE (EX RMR)	Santa Barbara	South Central Coast	Santa Barbara County APCD
		4415	WILLIAMS FEE	Santa Barbara	South Central Coast	Santa Barbara County APCD
		11289	BONETTI (CAT CANYON)	Santa Barbara	South Central Coast	Santa Barbara County APCD
		11334	ERG RESOURCES- VARIOUS LOCATIONS	Santa Barbara	South Central Coast	Santa Barbara County APCD
		11347	WEST LEASE	Santa Barbara	South Central Coast	Santa Barbara County APCD
104488	Crimson Resource Management Corp	413	CRIMSON RESOURCE MANAGEMENT	Fresno	San Joaquin Valley	San Joaquin Valley APCD
		3079	CRIMSON RESOURCE MANAGEMENT	Kern	San Joaquin Valley	San Joaquin Valley APCD
		3247	CRIMSON RESOURCE MANAGEMENT	Kern	San Joaquin Valley	San Joaquin Valley APCD
		2918	CRIMSON RESOURCE MANAGEMENT	Kern	San Joaquin Valley	San Joaquin Valley APCD
		3157	CRIMSON RESOURCE MANAGEMENT	Kern	San Joaquin Valley	San Joaquin Valley APCD
104538	JP Oil	2865	J P OIL COMPANY INC	Kern	San Joaquin Valley	San Joaquin Valley APCD
		2352	J.P. OIL COMPANY, INC.	Kings	San Joaquin Valley	San Joaquin Valley APCD

\*CEIDARS is the California Emission Inventory Development and Reporting System, used to report and track criteria pollutant emissions

\*\*MRR refers to the Regulation for the Mandatory Reporting of Greenhouse Gas Emissions facilities, used to report and track greenhouse gas emissions